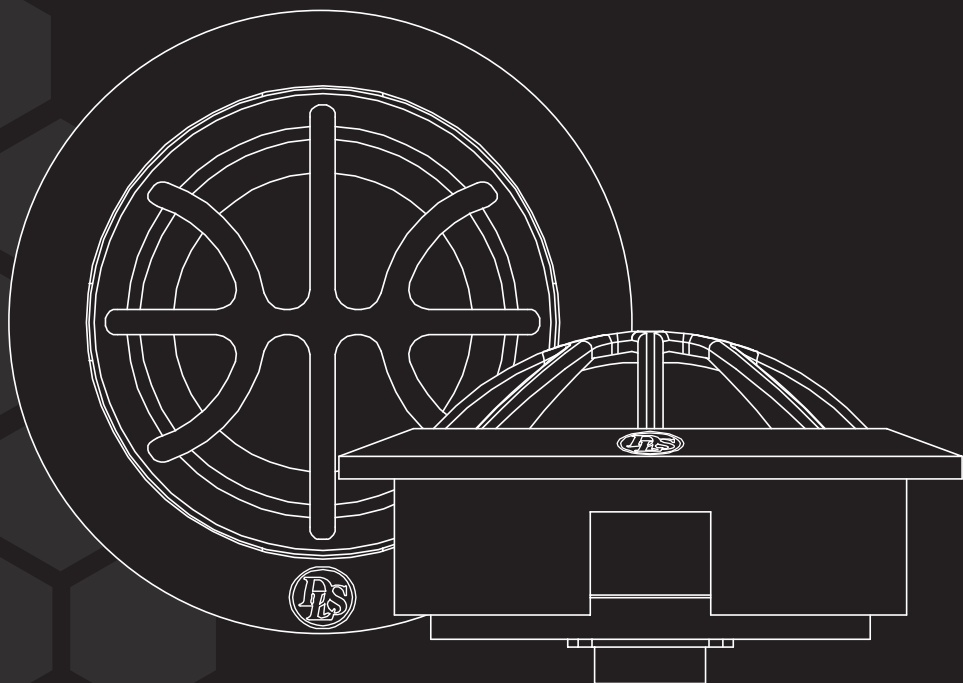


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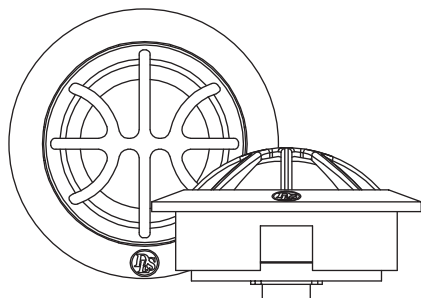
RCS25

User Manual

1" Silk Dome Tweeter



REFERENCE



Welcome to DLS!

Thank you for buying a DLS Reference RCS25. For us, it's all about the sound experience. We care deeply about sound and construction quality. In order for your experience to be as optimal as possible, it is important that you read this manual, preferably before you start your installation. Keep the manual in a safe and accessible place for future reference.

Your tweeters must be installed correctly in order to work as intended. Make sure you have all necessary tools nearby before starting and that you are completely confident in how to process. If you feel the slightest uncertainty; feel free to take the help of an experienced installer or a car audio dealer.

Warranty

This tweeter is covered by warranty, depending on the conditions in the country where it is sold. If the tweeter is returned for service, please include the original dated receipt with the product.

General

Some sound systems may vary in size of the installed tweeters. Make sure that your vehicle has the same size as this tweeter, before you start the assembly

DECLARATION OF CONFORMITY

DLS tweeters for vehicles are manufactured in accordance with the EU directive EEC 95/54 (72/245/ EEC) and are marked with the approval number. They are also marked in accordance with the WEEE-directive 2012/19/EC. The products are also produced in accordance with the EU RoHS directive 2015/863/EU.

DLS REFERENCE

RCS25

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Tel: +46 19 20 67 65 - E-mail: info@dls.se

www.dls.se

Designed & Sound tuned in Sweden.



Included parts

Included products:

2pcs Tweeters
2pcs Crossovers

Included in box:

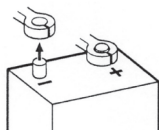
2pcs Crossover connection cables
2pcs Angled housing adapter
2pcs Recessed housing adapter
4pcs Housing metal brackets
2pcs Adhesive for tweeter angled adapter
4pcs M4 screws
4pcs M3 screws
1pc Manual

Pre-installation

Disconnect Battery

Before you start the process of replacing tweeters, disconnect and secure the negative terminal from your battery/power source. This will prevent the risk of damaging yourself or the products.

Place the disconnected terminal in a secure and isolated location away from any possible connection belonging to the battery/power source system.



General info

Some sound systems may vary in size of the installed OEM tweeters. Make sure that your vehicle has the same size as this tweeter, before you start the assembly.

This is a generic mounting instruction. Some screws and clips may be placed differently and depending if the tweeter is placed in the A-pillar or side mirror, the course of action may vary.

Installation

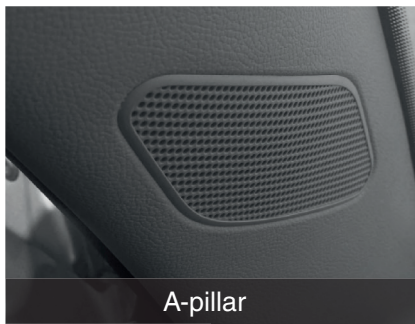
General installation

In many vehicles there are factory made places for tweeters that you can use for installation. If this is impossible, try to install the tweeter close to the bass/mid driver. The tweeter can also be installed on the dash-board, or recessed in the door with the accessories coming with the tweeters.

It is important to fasten the speakers properly in order to avoid bad sound or rattling.

OEM tweeter replacement

Locate the tweeter - either in the A-pillar, by the side mirror or in the door by the handle.



A-pillar



Side mirror

Door



Start by removing the tweeter covers. Use plastic pry tools and be careful, there can be air-bags behind the A-pillar. The first clip can be hard to remove. Take it easy and use minimal force. The instructions below shows how to remove the A-pillar tweeter.



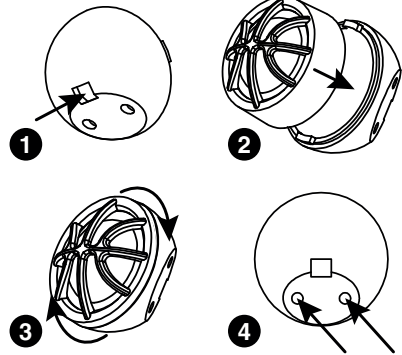
Un-plug the cable harness and unscrew or unsnap the old tweeter from the bracket or panel. Remove the OEM tweeter and replace it with the DLS tweeter. The flush cup adapter can also be used for the assembly.

Install DLS tweeter

The RCS25 tweeter can be installed on the dashboard with the angled cup or recessed in a door side with the flush cup. **NOTE!** Two crossovers are included with the tweeters and they must be used unless you are replacing the tweeters in an existing kit system that already have crossovers.

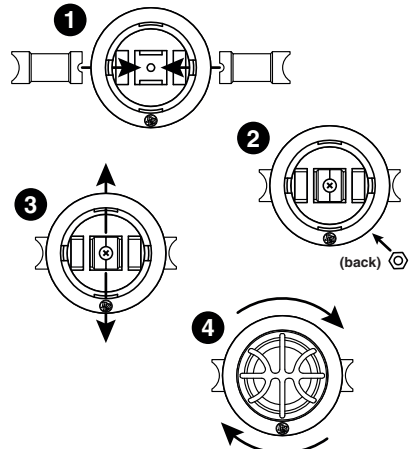
Surface tweeter mounting

Angled mounting: Put the cable through the hole in the rear end of the angled cup (1). The tweeter (2) is attached to the cup by putting them together and turn clockwise (3). Attach the cup to the surface with the double adhesive tape or screws (4).



Recessed tweeter mounting

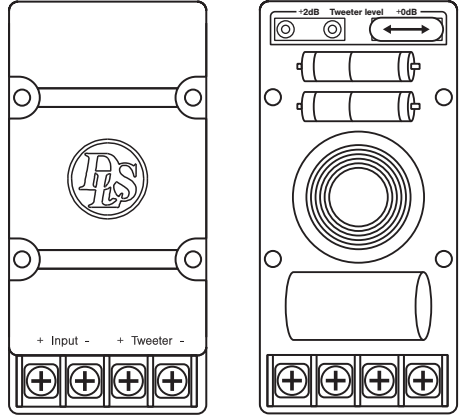
You need a hole with a diameter of 1,81" (46mm). Put the two metal wings through the two tracks in the center of the cup (1), and attach them with the M4 screw and nut through the center hole (2). The cup is attached to the door side when the metal wings is pressed to the back side of the door. Put the tweeter driver into the cup with the cable going out through the bottom hole (3). The tweeter is attached to the cup by putting the tweeter into the cup and turn clockwise (4).





Crossover installation and settings

NOTE! If there is no active crossover or DSP being used for setting crossover frequencies and slopes for the tweeter, the included passive crossover must be used!

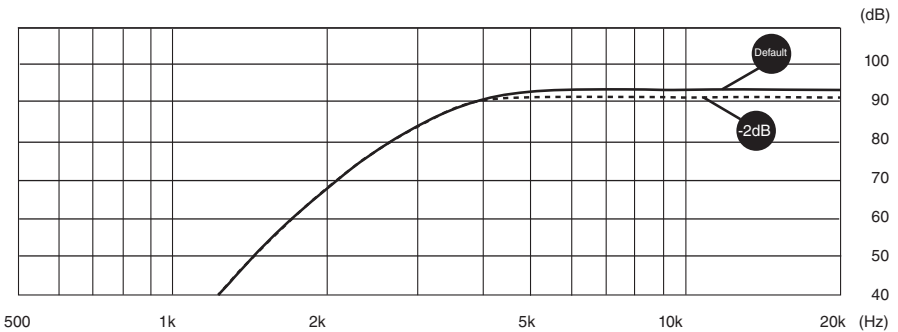
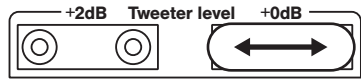


Tweeter Level

The jumper inside the tweeter crossover is a tweeter level selection, enabling fine tuning of high-frequency sound.

- +0dB setting = Decreased level by 2dB. Shown in the picture below: Default setting
- +2dB setting = Increased level by 2dB. Shown in the picture below: Optional setting

By changing the jumper position as shown, the tweeter gets less power in the higher frequencies, making the sound seem less intense. We recommend using the +0dB (default) setup in installations where the factory tweeters are angled towards the listening position.





Run-in Period

To ensure optimal performance from your tweeters, it's essential to allow for a proper run-in period. Fresh out of production, the moving parts like spider and suspension in a tweeter can be stiff. A bit of exercise is necessary. Once they've had a chance to settle, you'll notice an improvement in sound quality.

Plan to let them play for a minimum of 15-20 hours. This can be achieved using a tone sweep or simply by playing music until they reach their intended performance.

Once the run-in period is completed the tweeters now provide a more natural and enhanced music experience.



DLS Support

For technical assistance, ask your car audio dealer where the product was sold or the distributor in your country. You can always contact the DLS Support in Sweden via e-mail: info@dls.se. For more information regarding DLS and our products, visit our website: www.dls.se. We follow a policy of continuous advancement in development. For this reason, all or part of specifications and designs may be changed without prior notice.



Specifications

Art. no	RCS25
Tweeter	1" / 25mm silk dome tweeter with accessories
RMS Power	50W
MAX Power	100W
Impedance	4 Ohm
Sensitivity	93dB 1W/1M
Freq. range	2000-27000Hz

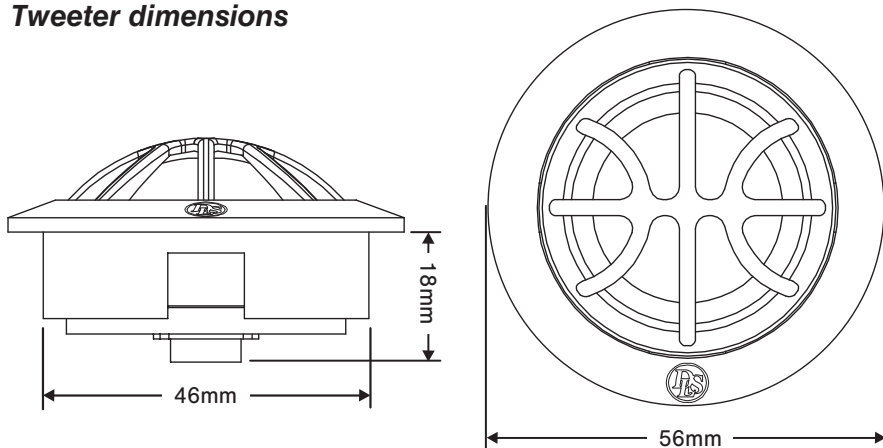
Technical specifications

Voice Coil Material	CCAW voice coil/ Aluminum former
Frame	ABS
Magnet	Neodymium with copper shorting ring and tuned ventilated back plate
Cone	Natural & clear soft silk dome with internal customized damping pad
Crossover	MKT caps, Max resistors, Air coil
Attenuation L-Pad	-2 dB / 0 dB level

Electro-Acoustic Parameters

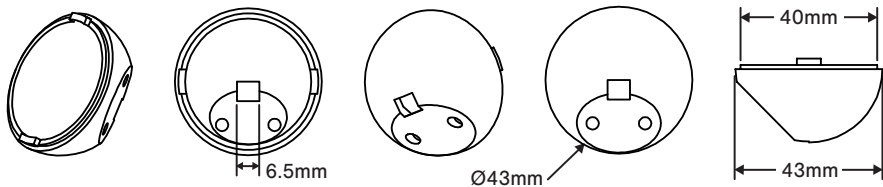
Re	3.4 Ohm
Fs	1750Hz
Spl	93dB 1W/1M

Tweeter dimensions

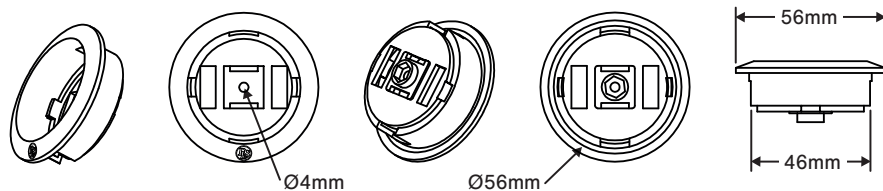




Angled housing dimensions



Surface housing dimensions





Product markings



The crossed-out wheeie bin symbol means that the product, literature and packaging included must be taken to separate collection at the end of their working life. Do not dispose of these products as unsorted municipal waste: take them for recycling. For info on your nearest recycling point, check with your local waste authority.



This product has been granted with the CE certification mark to show that the product follows the health, safety, and environmental protection standards for products sold within the European Economic Area (EEA).



DLS products complies with the relevant provisions of the RoHS Directive for the European Union. In common with all Electrical and Electronic Equipment (EEE) the product should not be disposed of as household waste. Alternative arrangements may apply in other jurisdictions.



DLS is a global partner of the European Mobile Media Association, an organisation that focus on promoting the custom made mobile media installations to consumers.

We follow a policy of continuous advancement in development. For this reason all or part of specifications & designs may be changed without prior notice. We reserve for possible typos, factual or numeric errors that may have been printed on any products, package designs, user manuals and/or other included accessories.



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